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State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

MICHAEL R. STYLER
Executive Director

JOHN R. BAZA
Division Director

Inspection Report

Supervisor DRB

Minerals Regulatory Program
Date of Report:

Mine Name: ECDC Clay Mine
Operator Name: ECDC Environmental

Permit number: M0150062
Inspection Date: April 12, 2007
Time: 1:25-1:55 PM

Inspector(s): Paul Baker
Other Participants: None
Mine Status: Active (inactive during the inspection)

Weather: Cloudy, 40s

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	☒	☐	☐
2. Public Safety (shafts, adits, trash, signs, highwalls)	☐	☐	☐
3. Protection of Drainages / Erosion Control	☒	☒	☐
4. Deleterious Material	☐	☐	☐
5. Roads (maintenance, surfacing, dust control, safety)	☐	☐	☐
6. Concurrent Reclamation	☐	☐	☐
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	☐	☐	☐
8. Water Impoundments	☐	☐	☐
9. Soils	☐	☐	☐
10. Revegetation	☐	☐	☐
11. Air Quality	☐	☐	☐
12. Other	☒	☒	☐

Purpose of Inspection:
This was a routine inspection.

Inspection Summary:
3. Protection of Drainages / Erosion Control
The mine is bordered on the south by the Price River, and except for an area next to a spoil pile, there are berms between the mine and the river. The mine has a pad where clay had been stockpiled, and this pad, together with some of the rest of the mine, is sloped so water flows toward the berm (see Photo 1). This berm was breached—probably during a heavy rainstorm last fall—allowing water from the pad to flow into the river (Photos 1 and 2).

Shown in Photo 3 and in the foreground of Photo 1 is another berm, and there was a hole where water had piped through this berm (Photo 4).

12. Other

I don't believe there has been any recent mining, but there had been a stockpile of clay that was removed from the site. This was mentioned in the annual report.

Conclusions and Recommendations:
According to the mine plan, the stockpile pad is supposed to be sloped so water would flow toward the center and away from the Price River, but the slope is toward the Price River.

I called the operator's representative, Darin Olson, on May 11, 2007, and explained the breached berm to him. He said the berm was breached not because of runoff from the pad. Instead, runoff from a nearby natural drainage overflowed into the pad, and the berm could not handle this extra water.

The operator should regrade the stockpile pad so it slopes away from the river as shown in the mine plan, and the berms along the river need to be repaired.

Inspector's Signature _____ **Date:** 5/11/07

Directions to Site:
Previous inspection reports detail how to get to the site from Ridge Road along the Farnham Road. To access the site from US Highway 6/191, start just southeast of mile marker 258. Follow this road for 2.9 miles past a gravel quarry to a railroad underpass. Continue on the main road for another 2.0 miles over another set of railroad tracks to a turnoff to the Dinosaur Quarry. Stay to the right; do not go toward the quarry. Travel this road for 1.9 miles, turn left, and it is 0.8 miles to the mine gate.

PBB:pb
cc: Darin Olson, ECDC
Attachment: Photos

P:\GROUPS\MINERALS\WP\M015-Emery\M0150062-ECDC\inspection\ins-04122007.doc

ATTACHMENT
Photographs
M/015/062, ECDC Clay Mine, ECDC Environmental
Inspection Dated: June 30, 2004; Report Dated: September 10, 2004

Photo 1. A breach in the berm near the bottom of the hill by the entrance gate.

Photo 2. This is where water flows into the Price River after going through the breach shown in Photo 1.

Photo 3. The remains of straw bales along the overburden/spoil pile.

Photo 4. A nearby undisturbed area with a nearly-barren slope ending at the riparian area next to the river.

Photo 5. The topsoil stockpile.

Photo 6. A panorama taken from the southeast part of the site. The straw bales in Photo 3 are in the left center of this photo.

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Drainage Basin

present mine pit

Earthen Berm

Eart

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Staw Bales
(See Detail)

Plan

5' Steel Pins or
5' Rebar or
5' Roof Bolts

Profi

Natural Ground